

6/26/15

Aims For Today:

1. iGEM database (human practices)
2. B-Galactosidase assay
3. Finalize plan for the summer
4. OD + luminescence experiment

Accomplishments:

1. iGEM database (human practices)
2. B-Galactosidase assay
3. OD + luminescence experiment

Aims for Monday:

1. Co-transforming pDawn + lacZ
2. Redoing standardized curve for B-Galactosidase assay
3. Design exp for different blue light intensity on B- Galactosidase activity experiment.
4. pACBB + pSB1C3 experiment
 - a. Did pACBB + lux ligate properly? (we learned that pDawn + lacZ cloning did not work, but we still have Mike's which turned yellow when we did the assay yay!)
5. Decide which parts to order from IDT (but actually though)
6. Examine more of the different color systems that we have been discussing; talk to advisors about this more; decide which we want to do

Questions:

1. https://docs.google.com/spreadsheets/d/1Hos0nFdv6kmtN_Q1y98bH6RwkHVTM650sZQLPafrFRg/edit?usp=sharing
 - a. (Just a quick conclusion) Finished the assay and noticed that only Mike's pDawn + lacZ turned yellow after adding WS; our ligation was not successful
 - b. But, when we tried to make the standard curve, we got a graph that didn't make any sense.
 - i. We think it could be because:
 1. The equation includes OD660 for something that's not a cell?
 2. We waited too long to add the stop solution (too yellow)
 3. We diluted many times to get the OD420 in the range of 0.2 - 1.0; we may have not mixed the solutions enough (the ODs were all pretty much 0.6)